

# **NCDOT Prioritization 3.0 Project Summary**

Mode: Highway **SPOT ID:** H141105 Status: Submitted

# SR-1106 (Duke Street)

Specific Improvement Type: 10 - Improve Intersection From/Cross Street: Duke Street/US 321-A

To: **Project Category: Regional Impact** 

Length: 0.5 TIP#:

### **Fully Funded in Draft STIP?**

Cost to NCDOT: \$233,000

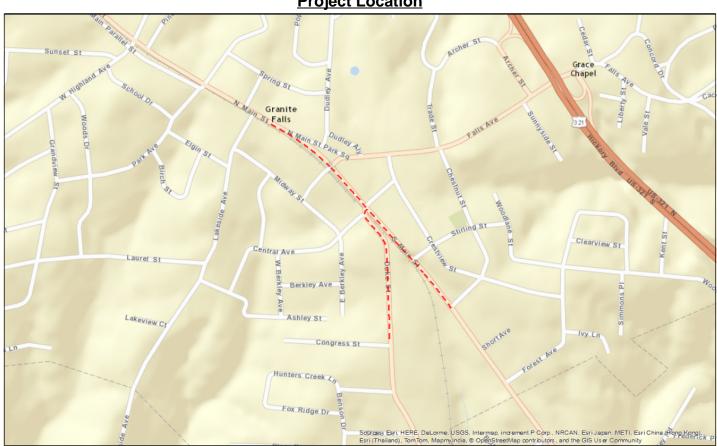
#### **Description:**

Improve intersection at Duke Street (SR 1106) and US 321-A in Granite Falls. The intersection should be moved south and realigned with US 321-A.

Division(s): Division 11 County(s): CALDWELL

MPOS(s)/RPO(s): Greater Hickory MPO

## **Project Location**



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# **Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

### **Regional Impact Total Score: 71.26**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) Safety (10%) [Travel Time] Benefit/Cost (25%) Accessibility / Connectivity (10%)  Totals: Weight: 70% Weighted Score	32.69 66.65 100.00 14.22 e: <b>41.26</b>	Percent: 15% Points: 100	Percent: 15% Points: 100

### **Division Needs Total Score: 58.2**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%)  Totals: Weight: 50% Weighted Score	32.69 66.65 100.00	Percent: 25% Points: 0	Percent: 25% Points: 100

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#### **Project Data** \*

#### **Existing Conditions**

#### **Existing Cross-Section:** Speed Limit: 29 0.5 Length (miles); Arterial Facility Type: Access Control: None Functional Classification: Minor Arterial Terrain Type: Rolling Lane Width: 12 Paved Shoulder Width: Roadway has Curb & Gutter? Yes Volume (AADT): 14221.47 Capacity: 31600 Volume/Capacity Ratio: 0.45 % Autos: 96% % Trucks: 4% Truck Volume: 601.86 0 Crash Density: 0 Crash Severity: 0 Critical Crash Rate: Crash Frequency: 33.3 Severity Index: 100 County Tier Designation: Non-Interstate STRAHNET No Route? Average Commuting Time: 20 Undivided Existing Median Type (for Cost Estimation): Pavement Condition Rating: 69 0 Actual Congested Speed: Travel Time Index:

#### **Project Benefits**

Project Cross-Section:	
Speed Limit:	35
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	3883000
Travel Time Savings for 30 Years (Autos):	3718669.58
Travel Time Savings for 30 Years (Trucks):	164330.42
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	LRTP
CTP/LRTP Completion Year:	2014
Submitted by:	Greater Hickory MPO

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<sup>\*</sup> Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

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# **Project Ownership**

### **Division**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

### MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greater Hickory MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

# **Project Cost and Source**

Construction Cost:	\$188,000	Cost Estimation Tool
Right-of-Way Cost:	\$45,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$233,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$233,000	

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